

Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A high-pressure discharge lamp with an asymmetrical discharge space (2) and/or an asymmetrical discharge vessel (1), wherein the bottom surface (10, 11) that is lowermost in the operational position of the lamp has a raised central first portion 10 which is surrounded by a relatively lowered second portion 11, whereby wherein the discharge space (2) has a volume which is reduced by a given first factor in comparison with the volume of the discharge space of known mercury-containing discharge lamps, and wherein an obscuration of portions of the luminous discharge arc (21) and/or of portions of the electrodes (3) by light-generating substances not evaporated in the operational state is prevented in that the quantity of the light-generating substances in the discharge space (2) is reduced by a second factor which is determined in dependence on the value of the first factor and on the distance, defined by the asymmetry, of the electrodes (3) to a—the bottom surface (10, 11) that is lowermost in the operational position of the lamp, and wherein the volume of the discharge space (2) is approximately 18 µl.
2. (original) A high-pressure discharge lamp as claimed in claim 1, wherein the discharge space (2) does not contain mercury.
3. (cancelled)

4. (original) A high-pressure discharge lamp as claimed in claim 3, wherein the quantity of light-generating substances is approximately 200 µg.

5. (original) A high-pressure discharge lamp as claimed in claim 4, wherein the bottom surface comprises a first portion (10) which is raised by approximately 1 mm with respect to a surrounding second portion (11).

6. (original) A high-pressure discharge lamp as claimed in claim 1, wherein the discharge space (2) contains a rare gas.

7. (currently amended) A high-pressure discharge lamp as claimed in claim 6, wherein the rare gas is xenon with a xenon cold pressure of between approximately 8 bar and approximately 20 bar, ~~in particular between approximately 10 bar and approximately 15 bar.~~

8. (original) A lighting unit with a high-pressure gas discharge lamp as claimed in claim 1.

9. (new) A high-pressure discharge lamp as claimed in claim 7, wherein the xenon cold pressure is between approximately 10 bar and approximately 15 bar.